

Table 1--California Greenhouse Gas Emissions and Sink Summary: 1990 to 2004 (MMTCO2Eq.)

Gas/Source	Million Metric Tons of CO ₂ Equivalent														
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1 <u>Carbon Dioxide (Gross)</u>	317.4	310.8	316.3	311.4	329.8	313.7	318.6	328.8	346.4	348.7	368.3	372.5	365.3	347.1	355.9
2 Fossil Fuel Combustion	306.4	300.2	305.0	301.8	318.3	302.1	306.7	316.7	332.5	337.5	356.6	359.0	354.1	334.0	342.4
3 Residential	29.0	29.5	27.9	28.4	29.3	26.7	26.6	26.3	30.6	31.9	30.2	27.2	27.3	26.4	27.9
4 Commercial	12.6	12.0	9.7	9.6	10.3	9.8	9.6	9.6	13.5	14.8	15.6	12.0	17.8	15.1	12.2
5 Industrial	66.1	64.8	61.3	64.3	66.0	62.6	68.8	73.0	75.4	71.0	76.2	80.5	71.5	65.5	67.1
6 Transportation	161.1	156.7	161.9	158.9	163.9	166.2	167.4	170.8	173.3	176.3	181.7	182.5	190.2	180.6	188.0
7 Electricity Generation (In State)	36.5	36.6	43.7	40.1	48.3	36.4	33.9	36.5	39.8	43.0	51.9	56.1	41.9	44.1	47.1
8 No End Use Specified	1.1	0.6	0.5	0.6	0.6	0.5	0.5	0.4	(0.1)	0.6	0.9	0.7	5.4	2.4	0.2
9 Cement Production	4.6	4.3	3.8	4.4	5.1	5.0	5.3	5.5	5.4	5.6	5.9	5.6	6.1	6.3	6.5
10 Lime Production	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 Limestone & Dolomite Consumption	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
12 Soda Ash Consumption	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Carbon Dioxide Consumption	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 Waste Combustion	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 Land Use Change & Forestry Emissions	5.5	5.6	6.8	4.4	5.6	5.8	5.8	5.9	7.7	4.8	5.1	7.3	4.3	6.0	6.1
16 Land Use Change & Forestry Sinks	(22.7)	(22.3)	(21.9)	(21.5)	(21.1)	(20.7)	(20.3)	(19.9)	(19.5)	(19.1)	(19.6)	(19.9)	(20.3)	(20.5)	(21.0)
17 Carbon Dioxide (Net)	294.7	288.5	294.4	289.9	308.7	293.0	298.3	308.9	326.9	329.6	348.7	352.6	345.1	326.6	334.9
18 <u>Methane (CH₄)</u>	26.0	24.9	23.8	25.4	25.4	26.2	25.5	24.2	25.3	26.3	26.4	26.7	27.1	27.5	27.9
19 Petroleum & Natural Gas Supply System	1.0	0.9	0.4	0.8	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.5	0.5	0.5
20 Natural Gas Supply System	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.4
21 Landfills	8.1	8.0	7.7	8.4	8.2	7.9	8.3	6.1	7.6	7.8	8.0	7.9	8.2	8.3	8.4
22 Enteric Fermentation	7.5	7.3	7.4	6.6	7.1	7.3	6.8	6.9	6.8	7.1	6.7	7.0	7.1	7.2	7.2
23 Manure Management	3.3	3.9	3.9	4.0	4.3	4.6	4.6	4.9	4.8	5.2	5.4	5.6	5.8	5.9	6.0
24 Flooded Rice Fields	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6
25 Burning Ag & Other Residues	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26 Wastewater Treatment	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
27 Mobile Source Combustion	1.2	0.1	0.1	0.7	0.2	1.0	0.2	0.8	0.6	0.5	0.8	0.5	0.7	0.7	0.6
28 Stationary Source Combustion	1.3	1.3	0.8	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.3
29 Nitrous Oxide (N ₂ O)	32.7	30.4	30.5	31.5	30.0	31.9	30.8	28.8	29.2	29.4	31.4	30.8	34.5	33.9	33.3
30 Nitric Acid Production	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2
31 Waste Combustion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Agricultural Soil Management	14.7	13.1	13.4	14.4	13.8	15.5	15.1	13.6	14.0	14.3	15.9	15.3	19.4	19.2	19.2
33 Manure Management	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9
34 Burning Ag Residues	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 Wastewater	0.9	0.9	0.8	0.9	0.8	0.8	0.9	1.0	1.0	1.0	0.7	1.0	1.0	0.9	1.1
36 Mobile Source Combustion	15.6	14.9	14.8	14.8	14.1	14.1	13.6	13.0	13.0	12.8	13.3	13.0	12.8	12.4	11.8
37 Stationary Source Combustion	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 High GWP Gases (HFCs, PFCs & SF ₆)	7.1	7.4	7.9	8.4	8.9	9.3	11.4	12.6	8.9	9.9	10.5	11.2	12.0	12.9	14.2
39 Substitution of Ozone-Depleting Substances	4.5	4.9	5.3	5.7	6.1	6.5	8.4	9.8	6.7	7.8	8.6	9.5	10.5	11.4	12.6
40 Semiconductor Manufacture	0.4	0.4	0.4	0.5	0.5	0.7	0.7	0.8	0.9	0.9	0.8	0.5	0.5	0.5	0.6
41 Electricity Transmission & Distribution (SF ₆)	2.3	2.2	2.2	2.2	2.2	2.1	2.3	2.1	1.3	1.2	1.1	1.1	1.0	1.0	1.0
42 Gross California Emissions (w/o Electric Imports)	383.3	373.5	378.5	376.5	394.0	381.1	386.2	394.5	409.8	414.3	436.6	441.1	439.0	421.4	431.3
43 Land Use Change & Forestry Sinks	(22.7)	(22.3)	(21.9)	(21.5)	(21.1)	(20.7)	(20.3)	(19.9)	(19.5)	(19.1)	(19.6)	(19.9)	(20.3)	(20.5)	(21.0)
44 Net Emissions (w/o Electric Imports)	360.6	351.2	356.6	355.1	373.0	360.4	366.0	374.6	390.3	395.1	417.0	421.2	418.7	400.9	410.3
45 Electricity Imports	43.3	43.1	43.0	40.8	43.2	38.5	40.6	47.0	52.9	51.7	40.5	47.4	51.7	56.4	60.8
46 Gross California Emissions with Electricity Imp	426.6	416.6	421.5	417.4	437.2	419.6	426.8	441.5	462.7	465.9	477.1	488.5	490.7	477.9	492.1
47 Net California Emissions with Electricity Impor	403.9	394.3	399.7	395.9	416.2	398.9	406.5	421.6	443.1	446.8	457.5	468.6	470.4	457.3	471.1
48 International Bunker Carbon Dioxide Emission	39.9	34.6	28.0	27.9	32.4	35.8	35.4	27.0	26.8	30.3	33.8	31.8	24.5	26.5	